

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID19535
Project Name	Project - Automated Aeroponics System for Farming
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Due to soil farming the the soil gets degraded and eroded and also the crop are affected by pests and disease. The growth rate of the plant is also too long
2.	Idea / Solution description	This problem can be overcome by using the aeroponic technique were the growth rate is 10 times faster and also it is pest and disease free.

3.	Novelty / Uniqueness	We are going to create a application to monitor the plant growth at any time we require
4.	Social Impact / Customer Satisfaction	We can grow plants which are disease free and growing plants in air has faster growth rate and high yield than growing in soil
5.	Business Model (Revenue Model)	<p>Key Partners:</p> <p>1)Farmers</p> <p>Key Activities:</p> <p>1)Design</p> <p>2)Construction</p> <p>Value Proposition:</p> <p>1)Plant Growth</p> <p>2)Disease Free</p> <p>Cost Structure:</p> <p>1)Construction Cost</p>
6.	Scalability of the Solution	By using the aeroponic technique were the growth rate is 10 times faster and also it is pest and disease free. An application is created to monitor the plant growth at any time we require.